

Atty. Docket No.: VI/99-024.CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
GRIFFITHS, et al.	)	
	)	
Serial No.: 10/064,846	)	Art Unit: 2821
	)	
Filed: August 22, 2002	)	Examiner: To be assigned
	)	
For: COMMUNICATION SYSTEMS FOR USE	)	
WITH MAGNETIC RESONANCE	)	
IMAGING SYSTEMS	)	

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

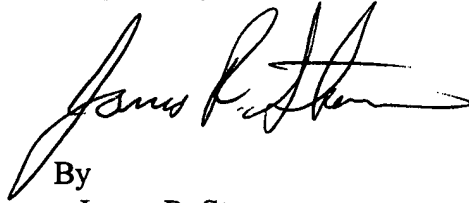
In compliance with Applicant's duty of disclosure under 37 C.F.R. § 1.56, Applicant submits the attached Forms PTO-1449 listing references for consideration by the Examiner.

The references cited in the attached Forms PTO-1449 have been made of record in parent Application Series No. 09/586,140, and copies thereof may be found in the corresponding application file. Applicant requests the Examiner to make the noted references of record in the file of this application.

The Examiner is respectfully requested to initial the attached Forms PTO-1449 to indicate consideration of the references, and to return copies of the initialed forms to the undersigned counsel.

This Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits, and NO FEE is due for consideration of this Information Disclosure Statement.

Respectfully submitted,



By

James R. Stevenson  
Reg. No. 38,755

Dated: February 27, 2003

CERTIFICATE OF MAILING

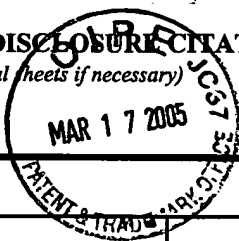
I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on February 27, 2003, with the United States Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

James R. Stevenson



# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

VI/99-024.C

Application Number

10/064,846

Applicant(s)

GRIFFITHS, et al.

Filing Date

8/22/2002

Group Art Unit

2821

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,523,523	8/11/1970	Reich, et al.			
	AB	3,812,843	5/28/1974	Wootten, et al.			
	AC	3,880,138	4/29/1975	Wootten, et al.			
	AD	3,888,239	6/10/1975	Rubinstein			
	AE	4,006,736	2/8/1977	Kranys, et al.			
	AF	4,044,757	8/30/1977	McWhorter, et al.			
	AG	4,502,488	3/5/1985	Degironimo, et al.			
	AH	4,585,009	4/29/1986	Barker, et al.			
	AI	4,613,328	9/23/1986	Boyd			
	AJ	4,619,653	10/28/1986	Fischell			
	AK	4,677,980	7/7/1987	Reilly, et al.			

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL	DE 44 40 619	8/31/1995	Germany			✓	
	AM	DE 196 21 393	12/4/1997	Germany			✓	
	AN	EP 0 105 550	4/18/1984	Europe				
	AO	EP 0 495 287	7/22/1992	Europe				
	AP	EP 0 518 100	12/16/1992	Europe			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Nishiura, N., et al., "An Optical and RF Telemetry Drug Injection Control and ECG System For Awake Small Animal Studies," Proceedings of the Annual International Conference of the Engineering in Medicine and Biology Society, Orlando, FL, IEEE, Vol. 13, Conf. 5, pages 2162-2163 (1991).
	AR	"Market Scan," Diagnostic Imaging, page 61 (September 1988).

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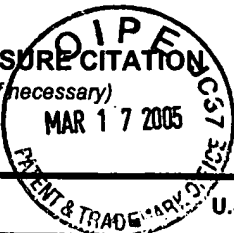
DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	4,695,271	9/22/1987	Goethel			
AT	4,737,712	4/12/1988	Stormont, et al.			
AU	4,840,620	6/20/1989	Kobayashi, et al.			
AV	4,854,324	8/8/1989	Hirschman, et al.			
AW	4,885,538	12/5/1989	Hoenniger III, et al.			
AX	4,981,137	1/1/1991	Kondo, et al.			
AY	5,027,824	7/2/1991	Dougherty, et al.			
AZ	5,030,201	7/9/1991	Palestrant			
BA	5,134,373	7/28/1992	Tsuruno, et al.			
BB	5,236,417	8/17/1993	Wallis			
BC	5,244,461	9/14/1993	Derlien			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BD	EP 0 655 220	5/31/1995	Europe				
BE	1-165010	11/17/1989	Japan			✓	
BF	1-223943	9/7/1989	Japan			✓	
BG	1-303139	12/7/1989	Japan			✓	
BH	5-84296	4/6/1993	Japan			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BI	Injectron MRT Brochure, Medtron MR-Injector, Technical Data (date unknown).
BJ	CT/MR Injector Brochure, Ulrich GmbH & Co. KG, (November 1999).

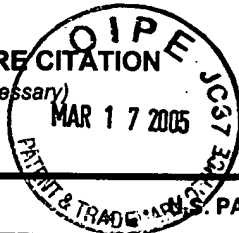
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BK	5,269,762	12/14/1993	Armbruster, et al.			
	BL	5,274,330	12/28/1993	Rindlisbacher, et al.			
	BM	5,300,031	4/5/1994	Neer, et al.			
	BN	5,342,298	8/30/1994	Michaels, et al.			
	BO	5,352,979	10/4/1994	Conturo			
	BP	5,354,273	10/11/1994	Hagen			
	BQ	5,357,959	10/25/1994	Fishman			
	BR	5,411,485	5/2/1995	Tennican, et al.			
	BS	5,417,213	5/23/1995	Prince			
	BT	5,458,122	10/17/1995	Hethuin			
	BU	5,464,014	11/7/1995	Sugahara			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BV	7-178169	7/18/1995	Japan			✓	
	BW	2752909	2/27/1998	Japan			✓	
	BX	61-155846	7/15/1986	Japan			✓	
	BY	WO 99/27847	6/10/1999	WIPO				
	BZ	WO 01/92907	12/6/2001	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

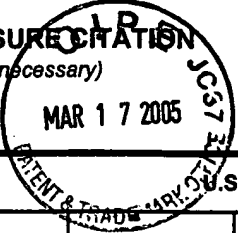
	CA	Mildenberger, A., "MR Jet Basic Configuration DM 29000," Automation GmbH (February 11, 1998).
	CB	Saini, S., et al., "In Vitro Evaluation of a Mechanical Injector for Infusion of Magnetic Resonance Contrast Media," Technical Report, Investigative Radiology, Vol. 26, No. 8, pp. 748-751 (August 1991).

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				FILING <b>8/22/2002</b>		GROUP <b>2821</b>	



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
CC	5,472,403	12/5/1995	Cornacchia, et al.				
CD	5,494,036	2/27/1996	Uber III, et al.				
CE	5,862,803	1/26/1999	Besson, et al.				
CF	Re.36,648	4/11/2000	Uber III, et al.				
CG	US RE37,602 E	3/26/2002	Uber III, et al.				
CH	5,994,984	11/30/1999	Stancil, et al.				

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

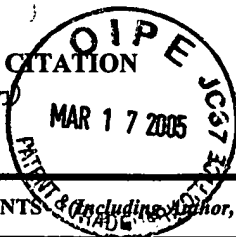
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
	CI	Angioject 3 Brochure, CGR, Paris, France (1975).
	CJ	Mallinckrodt, Optistar MR Contrast Delivery System Brochure, OR00200 (February 2000).

EXAMINER	DATE CONSIDERED
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\*EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CK

International Search Report for Counterpart PCT Application PCT/US01/40826.

CL

"Medrad Targets Market for MRI," Allison Hargraves, Pittsburgh Business Times," Vol. 7, No. 18, p1(2) (December 21, 1987).

CM

"Detection of Acute Avascular Necrosis of the Femoral Head in Dogs: Dynamic Contrast-Enhanced MR Imaging vs. Spin-Echo and STIR Sequences," AJR: 159, pgs. 1255-1261, December 1992.

CN

"An Infusion Pump That Works in MRI," Anesth. Analg. 1993: 77, pg. 645, Letters to the Editor.

CO

Mallinckrodt Optistar MR Digital Injection System, Operator's Manual, 801900-A (November 1999).

CP

Mallinckrodt Optistar MR Digital Injection System, Service and Parts Manual, 801902-A (April 2000).

CQ

Medrad Spectris MR Injection System Service Manual, Catalog Number: SSM200 I, 92901-T-129, Rev. A (1996).

CR

Medrad Spectris MR Injector Operation Manual, SOM 200E, 92901-T-107, Rev. E (1996).

CS

Invivo Research Inc., Millennia 3155 MVS Monitor Operations Manual, IRI PN#9545, Release 3, (March 1998).

CT

Invivo Research Inc., Omni-Trak 3150 MRI Patient Monitor Operations Manual, (January 1998).

CU

Injektron 82 MRT User Instructions, Version MR2, pgs. 5, 30 and 31, (March 10, 1999).

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